



OFF-SITE DELIVERY OF AN EXISTING PROGRAM FORM

Sponsoring Institution (s): University of Central Missouri (UCM)

Name of Institution (Campus or off-campus residential center in the case of multi-campus institutions).

Program Title: Aviation Maintenance Management 2 + 2

Degree/Certificate: B.S.

Institution Granting Degree: UCM

Delivery Site(s): Main Campus and the Whiteman Air Force Base site

Mode of Program Delivery: Traditional – on ground

Geographic Location of Student Access: Knob Noster, MO. Approximately 11 miles from main campus

CIP Classification: 490104 (Please provide CIP code)

Implementation Date: Fall 2014

Semester and Year

Cooperative Partners: None

AUTHORIZATION

Michael J. Grelle/Vice Provost Academic Programs & Services

Name/Title of Institutional Officer

Signature

Date

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Person to Contact for More Information

Telephone



Missouri Department of Higher Education

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COLLABORATIVE PROGRAMS

Sponsoring Institutions: University of Central Missouri

Degree program: BS Aviation Maintenance Management 2 + 2

Length of agreement: open-ended
(open-ended or limited)

1. Which institution(s) will have degree-granting authority?
University of Central Missouri (UCM)
2. Which institution(s) will have the authority for faculty hiring, course assignment, evaluation, and reappointment decisions?
University of Central Missouri
3. What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?
There is only one institution offering the degree program. Requesting degree program be authorized at UCMs additional site at Whiteman Air Force Base.
4. Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?
University of Central Missouri
5. What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?
Same institution so alignment of academic calendars is not a concern.
6. In addition to the information provided by each participating institution regarding Financial Projections (Form FP), please address the following items:
 1. How will tuition rates be determined if they differ among the institutions?
Tuition rates will not differ.
 2. Has a formal agreement been developed regarding cost-sharing policies? If yes, please include it as part of the proposal. If no, please summarize the current understanding between all parties and the plans for developing a formal agreement.
The cost sharing policies are UCMs current policies. As an additional location site for UCM there is no need for the development of agreements for cost-sharing.
 3. What arrangements, if any, have been made for exchange of money between participating institutions?
There is only one institution offering the degree program. Seeking to offer this degree program at UCMs additional site located at Whiteman Air Force Base.

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Form CL – Collaborative Programs

7. What commitments have been made by all participants to evaluate the program systematically?

The additional site at Whiteman Air Force base is scheduled for review to determine feasibility to continue in Summer 2016. During this review all programs being offered will be evaluated.

8. If one institution wishes to discontinue the program, what agreements exist for terminating the offering?

With UCM being the only institution involved in this program there is no need for a termination agreement.



PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name University of Central Missouri
Program Name Aviation Maintenance Management 2 + 2
Date April 18, 2014

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
Students are required to have obtained a technology related Associate in Aviation Maintenance from an accredited community college or technical institute in this field of study.
- Characteristics of a specific population to be served, if applicable.
Predominately non-traditional students serving in the military as maintenance professionals or their civilian (DoD) counterparts.

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
Faculty must have a masters degree in an aviation technology related field.
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
With the construct of this degree program being a 2 + 2 format the total number of hours anticipated for degree completion is 61. Of the 61 hours required 15 hours are program specific. It is estimated that 8% of the credit hours assigned to this degree plan will be assigned to full time faculty.
- Expectations for professional activities, special student contact, teaching/learning innovation.
None at this time.

3. Enrollment Projections

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- Student FTE majoring in program by the end of five years.
Estimate eight FTEs by the end of five years. As mentioned earlier, this program addresses needs of military members transitioning into the civilian sector. Ideally they will obtain this degree prior to departure from the military or civil service. With the 8-week accelerated program it is anticipated that a few of the students will be considered full time.
- Percent of full time and part time enrollment by the end of five years.
32% full time and 68% part time enrollment

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
Six students at three years and 18 students after five years of implementation.
- Special skills specific to the program.
This program provides both the technical aspects needed for aviation maintenance personnel but also the managerial soft skills that are so important for mobility within a corporation.
- Proportion of students who will achieve licensing, certification, or registration.
Degree program is not designed for students to achieve licensing, certification, or registrations.
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

No such assessment exists. We do however require a capstone class to meet MDHE Competency 10.

- Placement rates in related fields, in other fields, unemployed.
No such data exist due to the recent graduation rate in this program. This application is primarily to expand this program to improve service to under-served populations, primarily active duty military members. The result of this expansion will improve graduation rates and provide us this data.
- Transfer rates, continuous study.
No such data exist due to the recent graduation rate in this program. This application is primarily to expand this program to improve service to under-served populations, primarily active duty military members. The result of this expansion will improve graduation rates and provide us this data.

5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**

Since this is a 2 + 2 degree program which supports entry into the program from multiple sources which are out of the universities sphere of influence makes it difficult to accredit a program that is only partially controlled by the aviation department.

6. Alumni and Employer Survey

- Expected satisfaction rates for alumni, *including timing and method of surveys*.
To date survey data have not been collected on alumni satisfaction rates; however, the projected industry growth has provided military members making the transition to the private sector a little less intimidating. This application is primarily to expand this program to improve service to under-served populations, primarily active duty military members. The result of this expansion will improve graduation rates and provide us this data.
- Expected satisfaction rates for employers, including timing and method of surveys.
To date survey data has not been collected on this particular degree plan, the Aviation Advisory Council met on April 4, 2014 to discuss all of the aviation programs. During this meeting there was an air of optimism for this program and an overwhelming concurrence on the need for quality aviation mechanics in the future. This application is primarily to expand this program to improve service to under-served populations, primarily active duty military members. The result of this expansion will improve graduation rates and provide an opportunity to collect survey data.

7. Institutional Characteristics

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.

Location is key. With the additional site located on Whiteman Air Force Base, UCM is strategically positioned to offer this program to the maintenance personnel assigned. Additionally the Community College of the Air Force's Associates in Applied Science is one of the degrees accepted for this program and as such creates a seamless transition to this program and also demonstrates and applies the attributes of a "military friendly school."



STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time	0	3	5	8	8
Part Time	6	7	13	17	20
Total	6	10	18	25	28

Please provide a rationale regarding how student enrollment projections were calculated:

With the additional site located at Whiteman Air Force base many, if not all, current students are non-traditional. They are working full-time in the military and pursuing their degrees during off time between deployments and work surges. However, with the accelerated 8-week format a few of the students will take on a full load (12 credit hours) while in a non-traditional role.

Provide a rationale for proposing this program, including evidence of market demand and societal need supported by research:

Members of the military services who are aviation mechanics have been trained against military standards which does not necessarily reflect the standards established by the FAA. Such military members as those represented by the B-2 Bomber mechanic at Whiteman AFB need a formalized education process which builds on their current skills and prepares them to enter the civilian aviation marketplace. Currently, the Air Force is going through the largest drawdown since 1990. The idea of staying in the service through retirement is becoming increasingly difficult and as such highly skilled individuals are leaving the Air Force and seeking formal education to compliment job skills.

The Occupational Outlook Handbook projects the aircraft mechanic field will remain steady with an on average hourly rate of over \$26.00 dollars¹. Additionally, the Boeing Current Market Outlook for 2012-2031 projected a need for approximately one million new commercial airline pilots and maintenance technicians by 2031, including 460,000 new commercial airline pilots and 601,000 maintenance technicians². Air Force maintenance personnel will benefit greatly from the aviation maintenance 2 + 2 program. Since many enlisted members obtain a technical associate degree with the Community College of the Air Force during their time of service, they are able to acquire a bachelor's degree in two years, providing them the managerial skills required for entry level management positions in this growing field.

1 - Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2014-15 Edition*, Aircraft and Avionics Equipment Mechanics and Technicians, on the Internet at <http://www.bls.gov/ooh/installation-maintenance-and-repair/aircraft-and-avionics-equipment-mechanics-and-technicians.htm> (visited 3/25/14).

2 - Boeing Current Market Outlook, 2012-2031, p. 34. Retrieved from http://www.icast.org.in/focus/Boeing_Current_Market_Outlook_2012.pdf (visited 3/25/14).

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Form SE - Student Enrollment Projections